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TITLE: Oilproofing and waterproofing agents for finishing  
textiles

PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd., Japan

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AB Fluoropolymer compns. contg. a mixt. of a salt of RNMe<sub>2</sub> or RN+Me<sub>2</sub>R<sub>1</sub>X-, where R is C<sub>8</sub>-18 alkyl, R<sub>1</sub> is H or C<sub>1</sub>-3 alkyl or benzyl, and X- is a neg. ion, and a nonionic emulsifier at 20-60:40-80 wt. ratio were useful for waterproofing and oilproofing of textiles. Thus, 60 parts of a compn. contg. (CF<sub>3</sub>)<sub>2</sub>CF(CF<sub>2</sub>CF<sub>2</sub>)<sub>q</sub>CH<sub>2</sub>CH<sub>2</sub>O<sub>2</sub>CCH:CH<sub>2</sub>(q = 3, 4, 5) at 5:3:1 wt. ratio was mixed with 38 parts stearyl \*\*\*acrylate\*\*\* and 2 parts N-methylolacrylamide. An emulsifying compn. (8 parts) contg. 60% trimethylstearyl ammonium chloride [112-03-8] and 40% polyethylene glycol monolauryl ether (I) [9002-92-0] was added and the mixt. was polymd. to give a polymer (II) [ \*\*\*75132-94-4\*\*\* ] \*\*\*latex\*\*\*. Polyester-cotton blend (65:35) was immersed in a compn. contg. II (0.4% solids) prep'd. in the presence of the emulsifying compn., squeezed, dried, and heat-treated 3 min. Resistance to water and oil was good for the treated fabric, whereas this resistance was poor for the fabric treated with a similar compn. without I.

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